

Bellwork: 10/3/12

Determine if the following table is linear. If it is, write the equation of the line.

x	y
12	7
-8	2
-12	-3
-16	-8
-20	-13
-24	-18

$$m = \frac{-5}{-4}$$

$$m = \frac{5}{4}$$

$$y = \frac{5}{4}x + 17$$

or

$$y - 7 = \frac{5}{4}(x + 8)$$

$$y - 7 = \frac{5}{4}x + 10$$

$$\boxed{y = \frac{5}{4}x + 17}$$

	x	y	$ $
-3	-3	7	-4
-3	-6	3	-4
-3	-9	-1	-4
	-12	-5	

$$m = \frac{-4}{-3} = \frac{4}{3}$$

$$y = \frac{4}{3}x + 11$$

#24

perpendicular $X = -2$
 $(-6, 2)$

$$\text{Undefined} = \frac{4}{0}$$

$$m_{\perp} = \frac{4}{0} = -\frac{0}{4} = 0$$

Homework:

(26) $2x + 5y = 10$

Practice 2-4

21-28

must use graph paper
for # 25-28